

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 02/21/2017 10:49 AM
Cytometer Baseline: 01/30/2017 11:23 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123484	-2	3.41	123280	3.35
Blue	F	SSC	125000	123986	-1	2.70	124398	2.44
Blue	E	FITC	21625	21136	-3	2.39	937	10.01
Blue	D	PE	26832	26425	-2	1.99	947	9.28
Blue	B	PerCP-Cy5-5	48027	47868	-1	3.28	1376	16.19
Blue	A	PE-Cy7	40971	40543	-2	4.76	630	34.74
Red	C	APC	49746	49223	-2	2.91	2854	9.25
Red	A	APC-Cy7	53615	53146	-1	2.96	1107	11.00
Violet	B	V450	14488	13922	-4	5.78	669	9.68
Violet	A	V500	55123	54184	-2	5.59	2399	7.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16173	20.13	596	-2	N/A	N/A	Pass
Blue	F	SSC	61180	1.56	531	-3	N/A	N/A	Pass
Blue	E	FITC	108	36.16	531	-5	0.0216	78	Pass
Blue	D	PE	209	27.04	526	-5	0.1775	219	Pass
Blue	B	PerCP-Cy5-5	217	43.13	624	-5	0.0111	112	Pass
Blue	A	PE-Cy7	71	109.82	673	-8	0.0122	6	Pass
Red	C	APC	333	26.91	586	-8	0.0215	73	Pass
Red	A	APC-Cy7	122	40.18	571	-9	0.0059	1919	Pass
Violet	B	V450	81	40.58	464	-7	0.0496	1815	Pass
Violet	A	V500	175	23.87	490	-6	0.0170	1085	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.28	0.86
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.77	13.27 - 19.91	N/A	N/A	31.52	31.94	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9504

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments